



Product designation Product type designation			Power contactor BF400
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	600
Operational current le			
	AC-1 (≤40°C)	Α	600
	AC-1 (≤55°C)	Α	500
	AC-1 (≤70°C)	Α	435
	AC-3 (≤440V ≤55°C)	Α	400
	AC-4 (400V)	Α	190
Rated operational power AC-3 (T≤55°C)			
	230V	kW	110
	400V	kW	200
	415V	kW	200
	440V	kW	200
	500V	kW	250
	690V	kW	315
	1000V	kW	200
Rated operational current AC-3 (T≤55°C)			
	230V	Α	400
	400V	Α	400
	415V	Α	400
	440V	Α	400
	500V	Α	350
	690V	Α	350
	1000V	Α	155
Rated operational power AC-1 (T≤40°C)			
	230V	kW	227
	400V	kW	395
	500V	kW	434
	690V	kW	681
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			

IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series



	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	75V	Α	350
	110V	Α	350
	220V	Α	280
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	350
	110V	A	350
	220V	A	350
	330V	Α	280
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series		- , ,	200
TEO HIGA GUITOTIC IN 1900 1900 WILL ETT = Tollio Will 1 poloci in collec	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	350
	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)	100 1	A	3200
Protection fuse			0200
Trottodion ruso	gG (IEC)	Α	800
	aM (IEC)	Α	500
Making capacity (RMS value)	aw (IEO)	A	4000
Breaking capacity (11/10 Value)			4000
breaking capacity at voltage	440V	Α	3200
	500V		2752
	690V	A	2504
Posistance per pole (everage value)	090 v	A m0	0.12
Resistance per pole (average value) Power dissipation per pole (average value)		mΩ	0.12
Power dissipation per pole (average value)	IAI-	14/	40.0
	Ith	W	43.2
Tightening teams for teams also	AC-3	W	19
Tightening torque for terminals			0.5
	min	Nm	35
	max	Nm	35
	min	lbin	310
		0.0	
	max	Ibin	310
Tightening torque for coil terminal	max		
rightening torque for coil terminal	max min	Nm	0.8
	max		0.8 1
Power terminal protection according to IEC/EN 60529	max min	Nm	0.8
Power terminal protection according to IEC/EN 60529 Mechanical features	max min	Nm	0.8 1
Power terminal protection according to IEC/EN 60529	max min	Nm	0.8 1 IP00
Power terminal protection according to IEC/EN 60529 Mechanical features	max min max normal	Nm	0.8 1 IP00 Vertical plan
Power terminal protection according to IEC/EN 60529 Mechanical features	max min max	Nm	0.8 1 IP00



Operations			
Mechanical life		cycles	5000000
Electrical life		cycles	600000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	600000
	mechanical load	cycles	5000000
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	100
	max	V	250
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out		0/11	4 7 0.11.
. (FO OOL	max	%Us	≤70 Us min
of 50/60Hz coil powered at 60Hz			
pick-up		0/11-	00 115
	min	%Us	80 Us min
drop-out	max	%Us	110 Us max
diop-out	max	%Us	≤70 Us min
AC average coil consumption at 20°C	IIIax	/003	270 05 IIIII
of 50/60Hz coil powered at 50Hz			
or 30/00112 con powered at 30112	in-rush	VA	160320
	holding	VA	3.58.0
of 50/60Hz coil powered at 60Hz	noiding	• • • • • • • • • • • • • • • • • • • •	0.00.0
01 00/00112 0011 porrollod at 00112	in-rush	VA	160320
	holding	VA	3.58.0
of 60Hz coil powered at 60Hz			
5. 55 <u>5</u> 55 p 5 55 5	in-rush	VA	160320
	holding	VA	3.58.0
Dissipation at holding ≤20°C 50Hz	<u> </u>	W	3.58.0
DC coil operating			
DC rated control voltage			
	min	V	100
	max	V	250
DC operating voltage			
pick-up			
	min	%Us	85 Us min
	max	%Us	110 Us max
drop-out			
	max	%Us	≤70 Us min
Average coil consumption ≤20°C			
	in-rush	W	160230
	holding	W	3.58.0
Max cycles frequency			
Mechanical operation		cycles/h	1000
Operating times			
Average time for Us control			

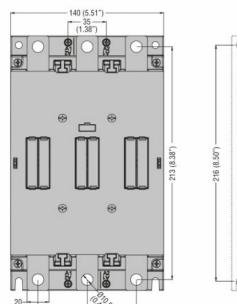




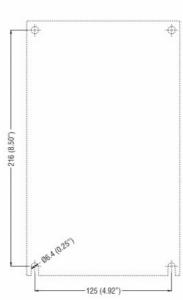
	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
III. da al alta II. Inda			max	ms	75
UL technical data					
Yielded mechanical pe		-4			
	for three-phase AC m	Otor	200/208V	HP	125
			200/206V 220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE			37 37 000 V	- ' ''	+00
Ocheral OOL	Contactor				
	Contactor		AC current	Α	600
Short-circuit protection	n fuse. 600V		7.0 000		
	High fault				
	3		Short circuit current	kA	100
			Fuse rating	Α	600
			Fuse class		J
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	600
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature	е			
			min	°C	-40
			max	°C	70
	Storage temperature		•	۰.	50
			min	°C	-50
Marratituda			max	°C	80
Max altitude	an			m	3000
Resistance & Protection	ווע				3
Pollution degree Dimensions					J
Difficusions —					

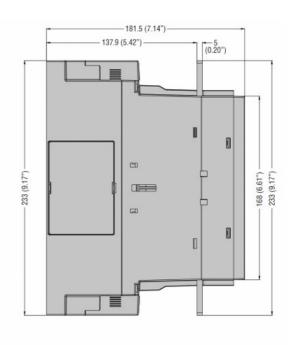
ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 400A, AC/DC COIL, 100...250VAC/DC

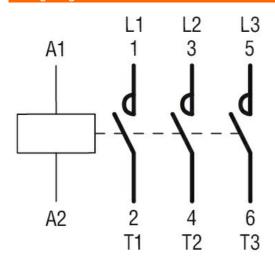


45 (1.77°)





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching